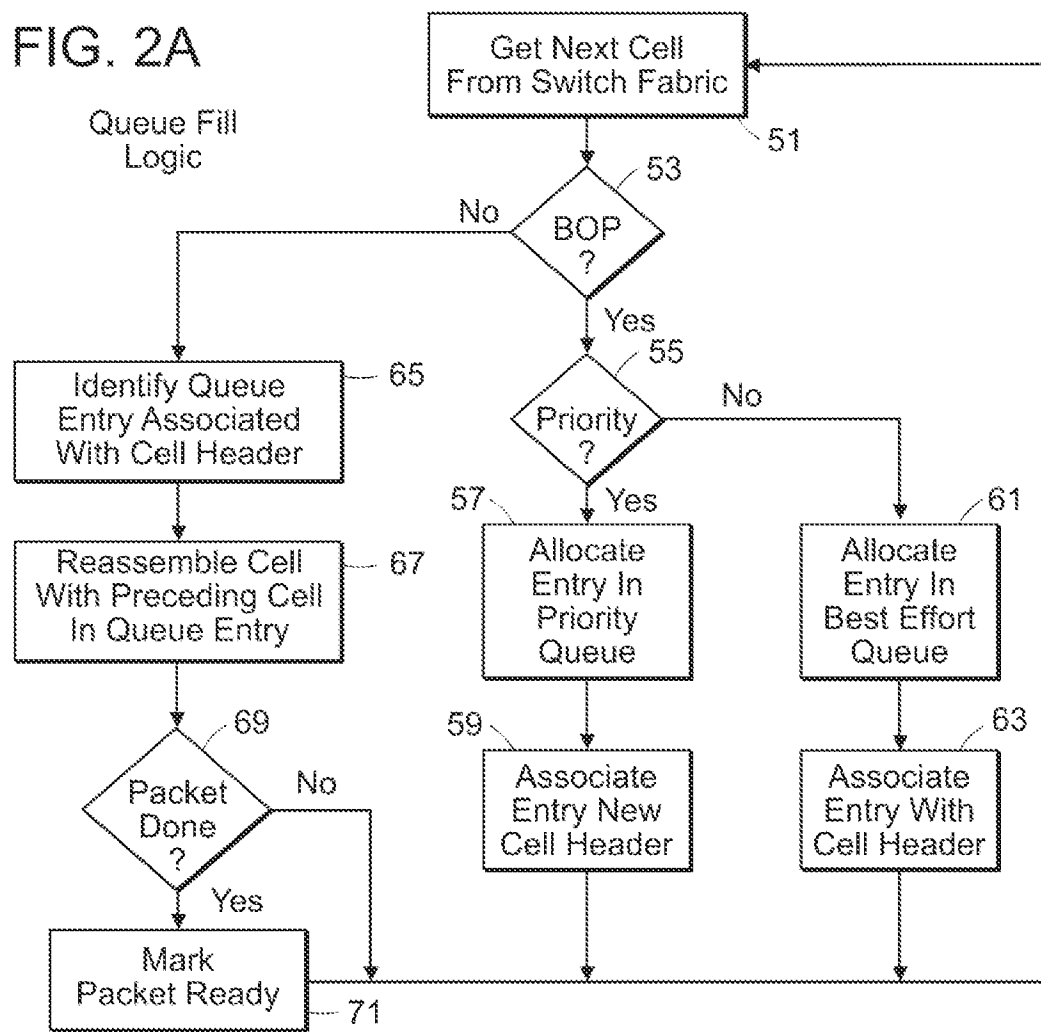


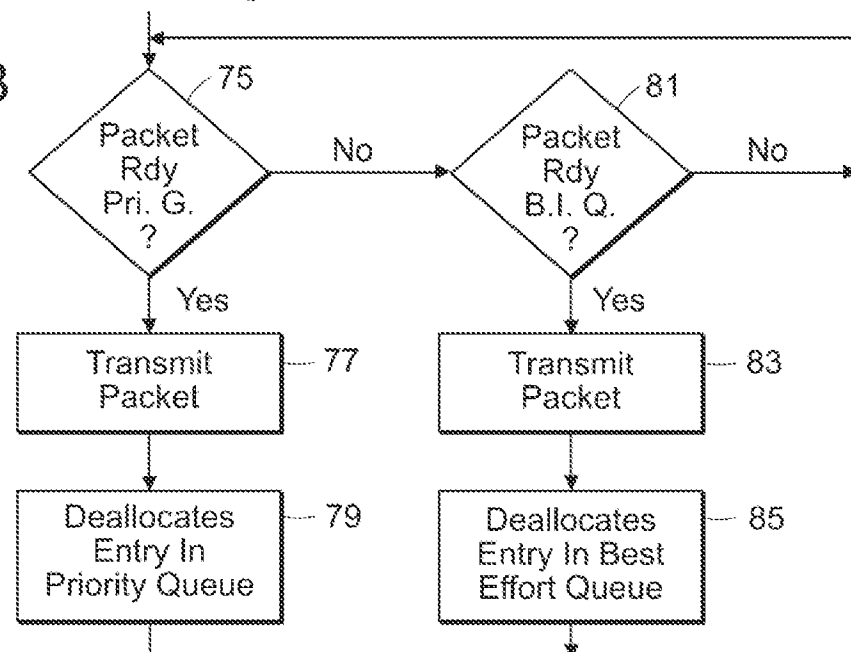
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FIG. 2A



Queue Drain Logic

FIG. 2B



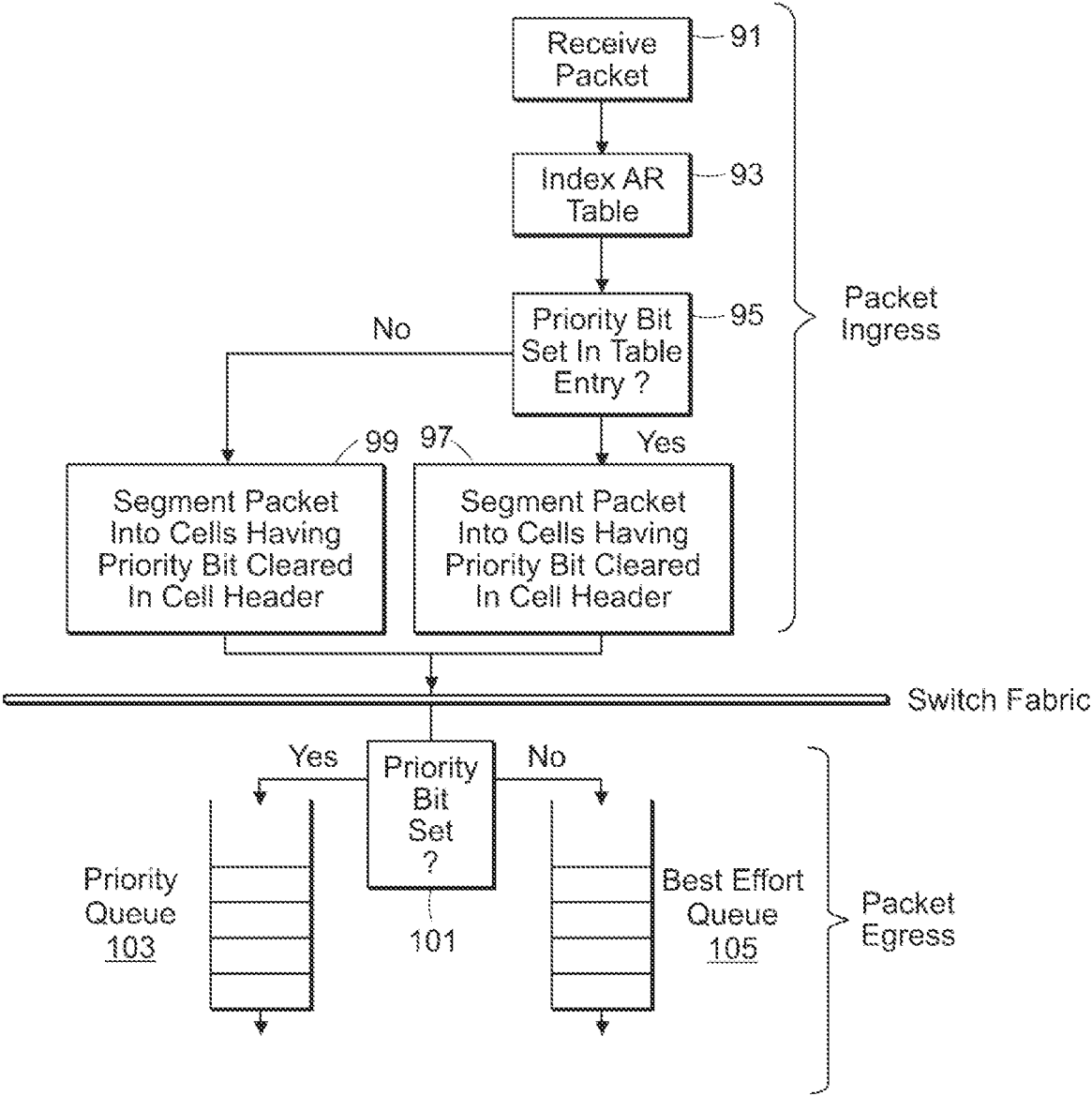


FIG. 3

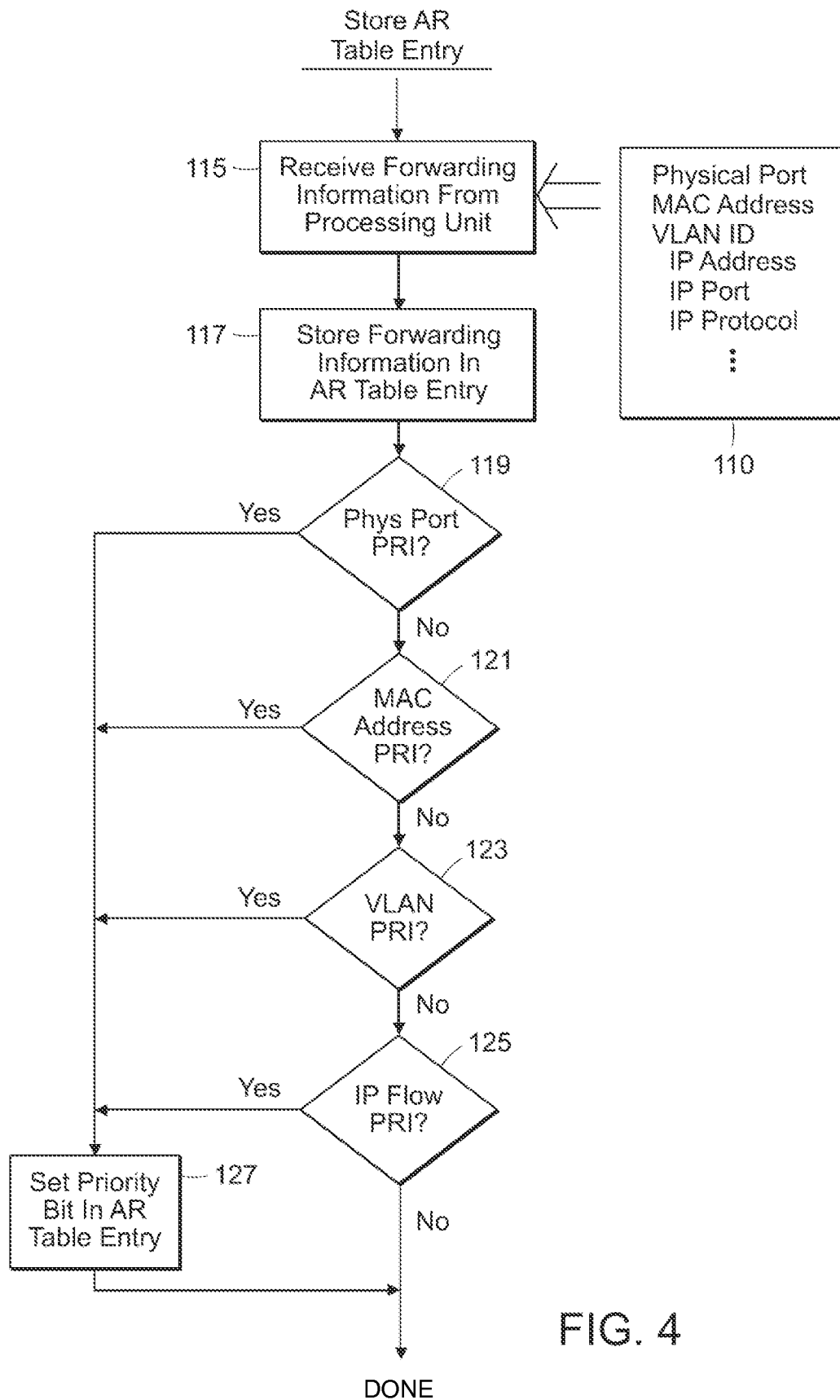


FIG. 4

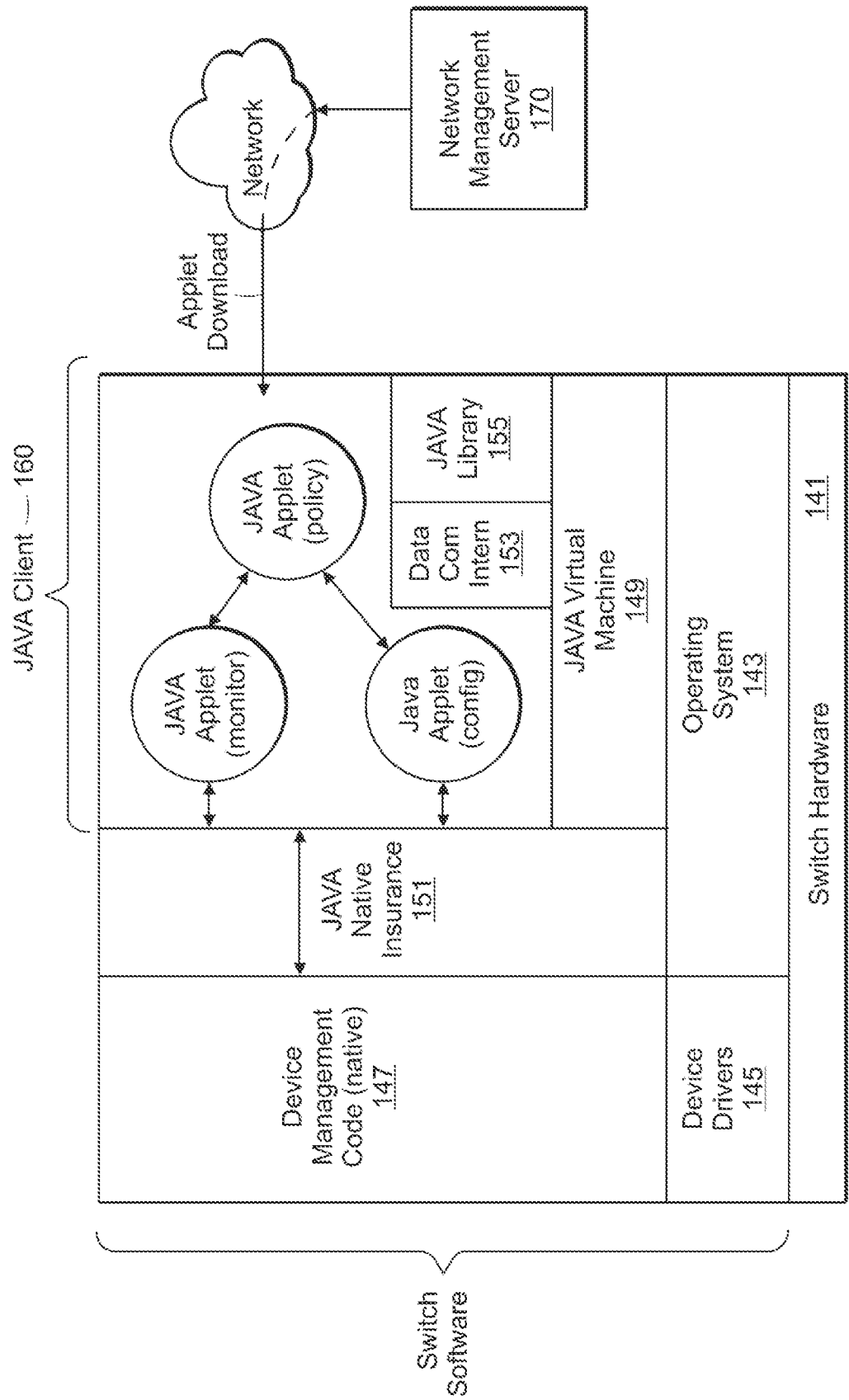


FIG. 5

```

MONITOR:
FOREVER
(
    READ_DEST_MAC_UTIL%(PORTI,MAC_ADDR A)
    READ_DEST_MAC_UTIL%(PORTI,MAC_ADDR B)
)
DELAY 10MS

```

```

POLICY ENFORCEMENT:
  A%: LINE UTILIZATION % MAC ADDR A
  B%: LINE UTILIZATION % MAC ADDR B
  QA_S: QUEUE ASSIGNMENT OF SERVER MAC ADDR TRAFFIC
  QA_A: QUEUE ASSIGNMENT OF MAC ADDR A TRAFFIC
  QA_B: QUEUE ASSIGNMENT OF MAC ADDR B TRAFFIC

  DELTA = 5%
  QA_S = QA_A = QA_B = PRI.Q
  FOREVER
  (
    GET A%, B% FROM MONITOR
    181 { IF (QA_A = PRI.Q AND QA_B = PRI.Q) AND
          ((A%+B%)>80%)
          QA_A = B.E.Q
    183 { IF (QA_A = B.E.Q AND QA_B = PRI.Q) AND
          ((A%+B%)<(80%-DELTA))
          QA_A = PRI.Q
    185 { IF (QA_A = B.E.Q AND QA_B = PRI.Q) AND
          (8%>80%)
          QA_B = B.E.Q
    187 { IF (QA_B = B.E.Q) AND
          (8%<(80%-DELTA))
          QA_B = PRI.Q
    )
    DELAY 5MS
  )

```

```
CONFIGURATION:
QA_A: QUEUE ASSIGNMENT OF MAC ADDR A TRAFFIC
QA_B: QUEUE ASSIGNMENT OF MAC ADDR B TRAFFIC
LAST_QA_A: QA_A HISTORY
LAST_QA_B: QA_B HISTORY

LAST_QA_A = LAST_QA_B = PRIQ

FOREVER
( GET QA_A, QA_B FROM POLICY ENFORCEMENT
  IF (QA_A1 = LAST_QA_A)
    {
      MOVE_VIRTUAL_QUEUE (PORT1, MAC_ADDR A, QA_A)
      LAST_QA_A = QA_A
    }
  IF (QA_A1 = LAST_QA_A)
    {
      MOVE_VIRTUAL_QUEUE (PORT1, MAC_ADDR A, QA_A)
      LAST_QA_A = QA_A
    }
  DELAY 2.5MS
```